VOLUME CONTENTS

Volume 46, Issue 1, January 2001

Original Articles

1 *Sebastian Höss, Matthias Bergtold, Markus Haitzer, Walter Traunspurger and Christian E. W. Steinberg:* Refractory dissolved organic matter can influence the reproduction of *Caenorhabditis elegans* (Nematoda)

11 *G. Grenouillet, B. Hugueny, G. A. Carrel, J. M. Olivier and D. Pont:* Large-scale synchrony and inter-annual variability in roach recruitment in the Rhône River: the relative role of climatic factors and density-dependent processes

27 *Marc Schallenberg and Carolyn W. Burns:* Tests of autotrophic picoplankton as early indicators of nutrient enrichment in an ultra-oligotrophic lake

39 *W. John O' Brien:* Long-term impact of an invertebrate predator, *Heterocope septentrionalis*, on an arctic pond zooplankton community

47 *Alonso Ramírez and Catherine M. Pringle:* Spatial and temporal patterns of invertebrate drift in streams draining a Neotropical landscape

63 *Irina Izaguirre, Inés O'Farrell and Guillermo Tell:* Variation in phytoplankton composition and limnological features in a water–water ecotone of the Lower Paraná Basin (Argentina)

75 *Jan H. Wanink, Jeremiah J. Kashindye, P. C. (Kees) Goudswaard and Frans Witte:* Dwelling at the oxycline: does increased stratification provide a predation refugium for the Lake Victoria sardine *Rastrineobola argentea*?

87 *Judith Li, Alan Herlihy, William Gerth, Philip Kaufmann, Stanley Gregory, Scott Urquhart and David P. Larsen:* Variability in stream macroinvertebrates at multiple spatial scales

99 *J. A. Elliott, C. S. Reynolds and A. E. Irish:* An investigation of dominance in phytoplankton using the PROTECH model

Applied Issues

109 *Leska S. Fore, Kit Paulsen and Kate O'Laughlin:* Assessing the performance of volunteers in monitoring streams

125 *Mátyás Présing, Sándor Herodek, Tom Preston and Lajos Vörös:* Nitrogen uptake and the importance of internal nitrogen loading in Lake Balaton

141 Book Review

Volume 46, Issue 2, February 2001

Original Articles

145 *Andrew R. Thompson, J. Todd Petty and Gary D. Grossman:* Multi-scale effects of resource patchiness on foraging behaviour and habitat use by longnose dace, *Rhinichthys cataractae*

161 *Micael Jonsson, Björn Malmqvist and Per-Ola Hoffsten:* Leaf litter breakdown rates in boreal streams: does shredder species richness matter?

173 *T. Forseth, M. A. Hurley, A. J. Jensen and J. M. Elliott:* Functional models for growth and food consumption of Atlantic salmon parr, *Salmo salar*, from a Norwegian river

187 *Steven Declerck, Christophe Cousyn and Luc De Meester:* Evidence for local adaptation in neighbouring *Daphnia* populations: a laboratory transplant experiment

199 *Jürgen Benndorf, Johannes Kranich, Thomas Mehner and Annekatrin Wagner:* Temperature impact on the mid-summer decline of *Daphnia galeata*: an analysis of long-term data from the biomanipulated Bautzen Reservoir (Germany)

213 *Alexander D. Huryn, Ralph H. Riley, Roger G. Young, Chris J. Arbuckle, Kathi Peacock and Graeme Lyon:* Temporal shift in contribution of terrestrial organic matter to consumer production in a grassland river

227 *Juliet C. Stromberg:* Influence of stream flow regime and temperature on growth rate of the riparian tree, *Platanus wrightii*, in Arizona

Applied Issues

241 *Cristina Dumitru, W. Gary Sprules and Norman D. Yan:* Impact of *Bythotrephes longimanus* on zooplankton assemblages of Harp Lake, Canada: an assessment based on predator consumption and prey production

253 *Klaus Peter Brodersen, Bent V. Odgaard, Ole Vestergaard and N. John Anderson:* Chironomid stratigraphy in the shallow and eutrophic Lake Søbygaard, Denmark: chironomid–macrophyte co-occurrence

269 *Tenna Riis and Kaj Sand-Jensen:* Historical changes in species composition and richness accompanying perturbation and eutrophication of Danish lowland streams over 100 years

Volume 46, Issue 3, March 2001

Original Articles

281 *B. Giebelhausen and W. Lampert:* Temperature reaction norms of *Daphnia magna*: the effect of food concentration

291 *Robert O. Hall Jr, Kate H. Macneale, Emily S. Bernhardt, Miandra Field and Gene E. Likens:* Biogeochemical responses of two forest streams to a 2-month calcium addition

303 *Yôichi Kawaguchi and Shigeru Nakano:* Contribution of terrestrial invertebrates to the annual resource budget for salmonids in forest and grassland reaches of a headwater stream

317 *Feiyue Wang, André Tessier and Landis Hare:* Oxygen measurements in the burrows of freshwater insects

329 *Arthur C. Benke, J. Bruce Wallace, James W. Harrison and Joseph W. Koebel:* Food web quantification using secondary production analysis: predaceous invertebrates of the snag habitat in a subtropical river

347 *Sara G. Baer, Edward R. Siler, Susan L. Eggert and J. Bruce Wallace:* Colonization and production of macroinvertebrates on artificial substrata: upstream-downstream responses to a leaf litter exclusion manipulation

367 *Garry J. Scrimgeour, William M. Tonn, Cynthia A. Paszkowski and Cameron Goater:* Benthic macroinvertebrate biomass and wildfires: evidence for enrichment of boreal subarctic lakes

379 *Jacob Schaefer:* Riffles as barriers to interpool movement by three cyprinids (*Notropis boops, Campostoma anomalum* and *Cyprinella venusta*)

Applied Issues

389 *Robert D. Doyle:* Effects of waves on the early growth of *Vallisneria americana*

399 *Thierry Oberdorff, Didier Pont, Bernard Hugueny and Daniel. Chessel:* A probabilistic model characterizing fish assemblages of French rivers: a framework for environmental assessment

417 *Michael K. Joy and Russell G. Death:* Control of freshwater fish and crayfish community structure in Taranaki, New Zealand: dams, diadromy or habitat structure?

Volume 46, Issue 4, April 2001

Original Articles

431 *Marianne Holmer and Peter Storkholm:* Sulphate reduction and sulphur cycling in lakes sediments: a review

453 *B. K. Sorrell, I. Hawes, A. M. Schwarz and D. Sutherland:* Inter-specific differences in photosynthetic carbon uptake, photosynthate partitioning and extracellular organic carbon release by deep-water characean algae

465 *C. P. Beaudoin, E. E. Prepas and W. M. Tonn:* A stable carbon and nitrogen isotope study of lake food webs in Canada's Boreal Plain

479 *M. J. Wishart and J. M. Hughes:* Exploring patterns of population sub-division in the net-winged midge, *Elporia barnardi* (Diptera: Blephariceridae), in mountain streams of the south-western Cape, South Africa

491 *Christine C. Hakenkamp, Suzanna G. Ribblett, Margaret A. Palmer, Christopher M. Swan, Janet W. Reid and Mike R. Goodison:* The impact of an introduced bivalve (*Corbicula fluminea*) on the benthos of a sandy stream

Applied Issues

503 *D. D. Williams, A. I. Nesterovitch, A. F. Tavares and E. G. Muzzatti:* Morphological deformities occurring in Belarusian chironomids (Diptera: Chironomidae) subsequent to the Chernobyl nuclear disaster

513 *Stephen J. Brooks:* Tracing lake trophic history with a chironomid – total phosphorus inference model

535 *C. J. Walsh , A. K. Sharpe, P. F. Breen and J. A. Sonneman:* Effects of urbanization on streams of the Melbourne region, Victoria, Australia. I. Benthic macroinvertebrate communities

553 *J. A. Sonneman, C. J. Walsh, P. F. Breen and A. K. Sharpe:* Effects of urbanization on streams of the Melbourne region, Victoria, Australia. II. Benthic diatom communities

Volume 46, Issue 5, May 2001

567 *Leon A. Barmuta, Claire E. A. McKenny and Roy Swain:* The responses of a lotic mayfly *Nousia* sp. (Ephemeroptera: Leptophlebiidae) to moving water and light of different wavelengths

575 *Olivier Dangles, François Guerold and Phillipe Usseglio-Polatera:* Role of transported particulate organic matter in the macroinvertebrate colonization of litter bags in streams

587 *Kentaro Nozaki:* Abrupt change in primary productivity in a littoral zone of Lake Biwa with the development of a filamentous green-algal community

603 *Todd V. Royer and G. Wayne Minshall:* Effects of nutrient enrichment and leaf quality on the breakdown of leaves in a hardwater stream

611 *John J. Gilbert and Stephanie E. Hampton:* Diel vertical migrations of zooplankton in a shallow, fishless pond: a possible avoidance–response cascade induced by notonectids

623 *Glen G. Brown, William A. Maher, Richard H. Norris and J. Mathieu:* Problems with the use of terracotta clay saucers as phosphorous – diffusing substrata to assess nutrient limitation of epilithic algae

633 *Norbert Kamjunke and Thomas Mehner:* Coupling the microbial food web with fish: are bacteria attached to cyanobacteria an important food source for underyearling roach?

641 *Stephanie M. Parkyn, Kevin J. Collier and Brendan J. Hicks:* New Zealand stream crayfish: functional omnivores but trophic predators?

653 *Mats Jansson, Ann-Kristin Bergström, Stina Drakare and Peter Blomqvist:* Nutrient limitation of bacterioplankton and phytoplankton in humic lakes in northern Sweden

667 *L. M. Berg, S. Pálsson and A. Lascoux:* Fitness and sexual response to population density in *Daphnia pulex*

679 *J. M. Elliott and M. A. Hurley:* Modelling growth of brown trout, *Salmo trutta*, in terms of weight and energy units

Applied Issues

693 *David A. Lytle and Barbara L. Peckarsky:* Spatial and temporal impacts of a diesel fuel spill on stream invertebrates

705 Book reviews

Volume 46, Issue 6, June 2001

Original Articles

711 *Adriano S. Melo and Claudio G. Froehlich:* Evaluation of methods for estimating macroinvertebrate species richness using individual stones in tropical streams

723 *Hazel Faulkner and Gordon H. Copp:* A model for accurate drift estimation in streams

735 *Per Hyenstrand, Emil Rydin, Malin Gunnerhed, Jeff Linder and Peter Blomqvist:* Response of the cyanobacterium *Gloeotrichia echinulata* to iron and boron additions - an experiment from Lake Erken

743 *Carl D. Sayer:* Problems with the application of diatom-total phosphorous transfer functions: Examples from a shallow English lake

759 *Joel C. Hoffman, Meghan E. Smith and John T. Lehman:* Perch or plankton: top-down control of *Daphnia* by yellow perch (*Perca flavescens* or *Bythotrephes cederstroemi* in an inland lake?

777 *Ian C. Duggan, John D. Green, Keith Thompson and Russell J. Shiel:* The influence of macrophytes on the spatial distribution of littoral rotifers

787 *Irmgard Berger and Gerhard Maier:* The mating and reproductive biology of the freshwater planktonic calanoid copepod *Eudiaptomus gracilis*

795 *Peter J. Smith and Kevin J. Collier:* Allozyme diversity and population genetic structure of the caddisfly *Orthopsyche fimbriata* and the mayfly *Acanthophlebia cruentata* in New Zealand streams

807 *J. V. Ward and K. Tockner:* Biodiversity: towards a unifying theme for river ecology

Applied Issues

821 *Wendy M. Kedzierski and Leonard A. Smock:* Effects of logging on macroinvertebrate production in a sand-bottomed, low-gradient stream

835 *J. L. Martinez, J. Dumas, E. Beall and E. Garcia-Vasquez:* Assessing introgression of foreign strains in wild Atlantic salmon populations: variation in microsatellites assessed in historic scale collections

845 *Elisabeth Rosecchi, Frédéric Thomas and Alain J. Crivelli:* Can life-history traits predict the fate of introduced species? A case study on two cyprinid fish in southern France

Volume 46, Issue 7, July 2001

Original Articles

855 *S. Juutinen, J. Alm, P. Martikainen and J. Silvola:* Effects of spring flood and water level drawn-down on methane dynamics in the littoral zone of boreal lakes

871 *Rainer Zah, Peter Burgherr, Stefano M. Bernasconi and Urs Uehlinger:* Stable isotope analysis of macroinvertebrates and their food sources in a glacier stream

883 *Nigel J. Willby, J. R. Pygott and John W. Eaton:* Inter-relationships between standing crop, biodiversity and trait attributes of hydrophytic vegetation in artificial waterways

903 *Carl Smith, Karina Rippon, Alex Douglas and Pavel Jurajda:* A proximate cue for oviposition site choice in the bitterling (*Rhodeus sericeus*)

913 *Ola Marklund, Irmgard Blindow and Anders Hargeby:* Distribution and diel migration of macroinvertebrates within dense submerged vegetation

925 *Kyleigh M. Couch, Matthew Downes and Carolyn W. Burns:* Morphological differences between subitaneous and diapause eggs of *Boeckella triarticulata* (Copepoda: Calanoida)

935 *Marie-Helene Barrat-Segretain:* Biomass allocation in three macrophyte species in relation to the disturbance level of their habitat

947 *M. A. S. Graça, C. Cressa, M. O. Gessner, M. J. Feio, K. A. Callies and C. Barrios:* Food quality, feeding preferences, survival and growth of shredders from temperate and tropical streams

959 *Brigitte Auer and Hartmut Arndt:* Taxonomic composition and biomass of heterotrophic flagellates in relation to lake trophy and season

973 *Zhaojun Shao, Ping Xie and Yan Zhuge:* Long-term changes of planktonic rotifers in a subtropical Chinese lake dominated by filter-feeding fishes

Applied Issues

987 *Jason White and Bret C. Harvey:* Effects of an introduced piscivorous fish on native benthic fishes in a coastal river

Volume 46, Issue 8, August 2001

Original Articles

997 *Albert Brugger, Bettina Reitner, Ingrid Kolar, Nadia Quéric and Gerhard J. Herndl:* Seasonal and spatial distribution of dissolved and particulate organic carbon and bacteria in the bank of an impounding reservoir on the Enns River, Austria

1017 *Manuel Villar-Argaiz, Juan M. Medina-Sánchez, Luis Cruz-Pizarro and Presentación Carrillo:* Inter- and intra-annual variability in the phytoplankton community of a high mountain lake: the influence of external (atmospheric) and internal (recycled) sources of phosphorus

Applied Issues

1035 *Emily G. Bradshaw and N. John Anderson:* Validation of a diatom-phosphorus calibration set for Sweden

Allied Issues: Lime treatment and its effect on the chemistry and biota of hardwater eutrophic lakes

1049 *Ellie E. Prepas, Bernadette Pinel-Alloul, Patricia A. Chambers, Tom P. Murphy, Sharon Reedyk, Greg Sandland and Mark Serediak:* Lime treatment and its effects on the chemistry and biota of hardwater eutrophic lakes

1061 *Kim L. Burley, Ellie E. Prepas and Patricia A. Chambers:* Phosphorus release from sediments in hardwater eutrophic lakes: the effects of redox-sensitive and -insensitive chemical treatments

1075 *Sharon Reedyk, Ellie E. Prepas and Patricia A. Chambers:* Effects of single $Ca(OH)_2$ doses on phosphorus concentration and macrophyte biomass of two boreal eutrophic lakes over 2 years

1089 *Ellie E. Prepas, Jay Babin, Tom P. Murphy, Patricia A. Chambers, Greg J. Sandland, Anas Ghadouani and Mark Serediak:* Long-term effects of successive $Ca(OH)_2$ and $CaCO_3$ treatments on the water quality of two eutrophic hardwater lakes

1105 *Ying Zhang, Anas Ghadouani, Ellie E. Prepas, Bernadette Pinel-Alloul, Sharon Reedyk, Patricia A. Chambers, Richard D. Robarts, Ginette Méthot, Assia Raik and Meike Holst:* Response of plankton communities to whole-lake $Ca(OH)_2$ and $CaCO_3$ additions in eutrophic hardwater lakes

1121 *Patricia A. Chambers, Ellie E. Prepas, Mary E. Ferguson, Mark Serediak, Martha Guy and Meike Holst:* The effects of lime addition on aquatic macrophytes in hard water: *in situ* and microcosm experiments

Volume 46, Issue 9, September 2001

Original Articles

1139 *Harry V. Leland, Larry R. Brown and David K. Mueller:* Distribution of algae in the San Joaquin River, California, in relation to nutrient supply, salinity and other environmental factors

1169 *Chantal Ouimet:* Implications of *Chaoborus* pupation and ecdysis in cold water

1179 *Carla E. Cáceres and Michael S. Schwalbach:* How well do laboratory experiments explain field patterns of zooplankton emergence?

1191 *Kate A. Schofield, Catherine M. Pringle, Judy L. Meyer and Andrew B. Sutherland:* The importance of crayfish in the breakdown of rhododendron leaf litter

1205 *Johanna Laybourn-Parry, Wendy C. Quayle, Tracey Henshaw, Andrew Ruddell and Harvey J. Marchant:* Life on the edge: the plankton and chemistry of Beaver Lake, an ultra-oligotrophic epishelf lake, Antarctica

1219 *Géraldine Loot, Sébastien Brosse, Sovan Lek and Jean-Françoise Guégan:* Behaviour of roach (*Rutilus rutilus* L.) altered by *Ligula intestinalis* (Cestoda: Pseudophyllidea): a field demonstration

1229 *Hitoshi Miyasaka and Shigeru Nakano:* Drift dispersal of mayfly nymphs in the presence of chemical and visual cues from diurnal drift- and nocturnal benthic-foraging fishes

1239 *R. L. Sinsabaugh and C. M. Foreman:* Activity profiles of bacterioplankton in a eutrophic river

1251 *Sylvie Mérigoux, Sylvain Dolédec and Bernhard Statzner:* Species traits in relation to habitat variability and state: neotropical juvenile fish in floodplain creeks

1269 *Thorsten D. Mosisch, Stuart E. Bunn and Peter M. Davies:* The relative importance of shading and nutrients on algal production in subtropical streams

1279 *Johanna Laybourn-Parry, Julia S. Hofer and Ruben Sommaruga:* Viruses in the plankton of freshwater and saline Antarctic lakes

1289 Book Review

Volume 46, Issue 10, October 2001

Original Articles

1291 *J. A. Elliott, A. E. Irish and C. S. Reynolds:* The effects of vertical mixing on a phytoplankton community: a modelling approach to the intermediate disturbance hypothesis

1299 *A. Burns and D.S. Ryder:* Response of bacterial extracellular enzymes to inundation of floodplain sediments

1309 *J. J. C. Dawson, M. F. Billett and D. Hope:* Diurnal variations in the carbon chemistry of two acidic peatland streams in north-east Scotland

1323 *Sonja Hausmann and André F. Lotter:* Morphological variation within the diatom taxon *Cyclotella comensis* and its importance for quantitative temperature reconstructions

1335 *Helmut Fischer and Martin Pusch:* Comparison of bacterial production in sediments, epiphyton and the pelagic zone of a lowland river

1349 *James L. Anthony, David H. Kesler, William L. Downing and John A. Downing:* Length-specific growth rates in freshwater mussels (Bivalvia: Unionidae): extreme longevity or generalized growth cessation?

1361 *J. Fustec, T. Lode, D. Le Jacques and J. P. Cormier:* Colonization, riparian habitat selection and home range size in a reintroduced population of European beavers in the Loire

1373 *Kyle D. Zimmer, Mark A. Hanson, Malcolm G. Butler and Walter G. Duffy:* Size distribution of aquatic invertebrates in two prairie wetlands, with and without fish, with implications for community production

1387 *Mathieu Denoël and Pierre Joly:* Adaptive significance of facultative paedomorphosis in *Triturus alpestris* (Amphibia, Caudata): resource partitioning in an alpine lake

Applied Issues

1397 *John A. Strand and Stefan E. B. Weisner:* Dynamics of submerged macrophyte populations in response to biomanipulation

1409 *R. A. Sponseller, E. F. Benfield and H. M. Valett:* Relationships between land use, spatial scale and stream macroinvertebrate communities

1425 Book Reviews

Volume 46, Issue 11, November 2001

Freshwater Biology Special Review

1431 *Caryn C. Vaughn and Christine C. Hakenkamp:* The functional role of burrowing bivalves in freshwater ecosystems

Original Articles

1447 *Jukka Horppila and Leena Nurminen:* The effect of an emergent macrophyte (*Typha angustifolia*) on sediment resuspension in a shallow north temperature lake

1457 *Mark E. Ledger and Alan G. Hildrew:* Growth of an acid-tolerant stonefly on epilithic biofilms from streams of contrasting pH

1471 *Teija Virola, Veijo Kaitala, Antti Lammi, Pirkko Siikamäki and Jukka Suhonen:* Geographical patterns of species turnover in aquatic plant communities

1479 *Michael J. Winterbourn and Anna L. M. Crowe:* Flight activity of insects along a mountain stream: is directional flight adaptive?

1491 *Steven A. Pothoven, Gary L. Fahnenstiel and Henry A. Vanderploeg:* Population dynamics of *Bythotrephes cederstroemii* in south-east Lake Michigan 1995-1998

1503 *P. J. Mulholland, C. S. Fellows, J. L. Tank, N. B. Grimm, J. R. Webster, S. K. Hamilton, E. Martí, L. Ashkenas, W. B. Bowden, W. K. Dodds, W. H. McDowell, M. J. Paul and B. J. Peterson:* Inter-biome comparison of factors controlling stream metabolism

1519 *Susan E. Cordova, Joy Giffin and Kevin L. Kirk:* Food limitation of planktonic rotifers: field experiments in two mountain ponds

Applied Issues

1529 *Roberto Quinlan and John P. Smol:* Chironomid-based inference models for estimating end-of-summer hypolimnetic oxygen from south-central Ontario shield lakes

1553 *S. B. Watson, T. Satchwill, E. Dixon and E. McCauley:* Under-ice blooms and source-water odour in a nutrient-poor reservoir: biological, ecological and applied perspectives

1569 Book Reviews

Volume 46, Issue 12, December 2001

Special issue: Glacier-fed rivers – unique lotic ecosystems

Original Articles

1571 *John E. Brittain and Alexander M. Milner:* Ecology of glacier-fed rivers: current status and concepts

1579 *Barnaby P. G. Smith, David M. Hannah, Angela M. Gurnell and Geoffrey E. Petts:* A hydrogeomorphological context for ecological research on alpine glacial rivers

1597 *Rainer Zah and Urs Uehlinger:* Particulate organic matter inputs to a glacial stream ecosystem in the Swiss Alps

1609 *Deborah L. Snook and Alexander M. Milner:* The influence of glacial runoff on stream macroinvertebrate communities in the Tallion catchment, French Pyrénées

1625 *Bruno Maiolini and Valeria Lencioni:* Longitudinal distribution of macroinvertebrate assemblages in a glacially influenced stream system in the Italian Alps

1641 *Brigitte Lods-Crozet, Emmanuel Castella, Diana Cambin, Christiane Ilg, Sandra Knispel and Helene Mayor-Simeant:* Macroinvertebrate community structure in relation to environmental variables in a Swiss glacial stream

1663 *Christopher T. Robinson, U. Uehlinger and M. Hieber:* Spatio-temporal variation in macroinvertebrate assemblages of glacial streams in the Swiss Alps

1673 *Leopold Füreder, Cornelia Schütz, Manfred Wallinger and Rainer Burger:* Physico-chemistry and aquatic insects of a glacier-fed and a spring-fed alpine stream

1691 *Cornelia Schütz, Manfred Wallinger, Rainer Burger and Leopold Füreder:* Effects of snow cover on the benthic fauna in a glacier-fed stream

1705 *Peter Burgherr and J. V. Ward:* Longitudinal and seasonal distribution patterns of the benthic fauna of an alpine glacial stream (Val Roseg, Swiss Alps)

1723 *John E. Brittain, Svein J. Saltveit, Emmanuel Castella, Jim Bogen, Truls E. Bønsnes, Inggard Blakar, Trond Bremnes, Ingrid Haug and Gaute Velle:* The macroinvertebrate communities of two contrasting Norwegian glacial rivers in relation to environmental variables

1737 *Gísli M. Gíslason, Hákon Adalsteinsson, Iris Hansen, Jón S. Ólafsson and Kristín Svavarsdóttir:* Longitudinal changes in macroinvertebrate assemblages along a glacial river system in central Iceland

1753 *Nikolai Friberg, Alexander M. Milner, Lars M. Svendsen, Claus Lindegaard and Søren E. Larsen:* Macroinvertebrate stream communities along regional and physico-chemical gradients in Western Greenland

1765 *Alexander M. Milner, Russell C. Taylor and Michael J. Winterbourn:* Longitudinal distribution of macroinvertebrates in two glacier-fed New Zealand rivers

1777 *Svein J. Saltveit, Ingrid Haug and John E. Brittain:* Invertebrate drift in a glacial river and its non-glacial tributary

1791 *Brigitte Lods-Crozet, Valeria Lencioni, Jón S. Ólafsson, Debbie L. Snook, Gaute Velle, John E. Brittain, Emmanuel Castella and Bruno Rossaro:* Chironomid (Diptera: Chironomidae) communities in six European glacier-fed streams

1811 *Emmanuel Castella, Hákon Adalsteinsson, John E. Brittain, Gísli M. Gíslason, Anthony Lehmann, Valeria Lencioni, Brigitte Lods-Crozet, Bruno Maiolini, Alexander M. Milner, Jon S. Olafsson, Svein J. Saltveit and Deborah L. Snook:* Macrobenthic invertebrate richness and composition along a latitudinal gradient of European glacier-fed streams

1833 *Alexander M. Milner, John E. Brittain, Emmanuel Castella and Geoffrey E. Petts:* Trends of macroinvertebrate community structure in glacier-fed rivers in relation to environmental conditions: a synthesis

1849 Author Index